PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO				Complete if Known			
				Application Number	N/A		
INE	ORMATION	א טופר	I OSLIDE	Filing Date	Herewith		
				First Named Inventor	David Muller, et al.		
SIA	TEMENT I			Art Unit	N/A		
_	(Use as many sh	eets as nec	essary)	Examiner Name	N/A		
eet	1	of	2	Attorney Docket Number	MULLER 7-7		

				DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
212		<sup>US-</sup> 6,251,800 B1	06 26 2001	Sun et al.	
535		<sup>US-</sup> 4,783,238	11 08 1988	Roesner	
<u> </u>		US-2002/0047151 A1	04 25 2002	Kim et al.	
		US-			
		US-			
		US-			-
		US-			
		UŞ-			
		US-		1	<del>                                     </del>
		US-		<del> </del>	
		US-			

		FOREIG	GN PATENT DOCU	MENTS		-
Examiner Cite Initials* No.1		Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	
	L					
	<u> </u>					
	<u> </u>					
	<u> </u>		<u> </u>			

Examiner	<i>Y / /</i>	0 1	Date	<del></del>
Signature	14.	11	Considered	9/11/2001
	~~~	Mu		<b>5</b> /7/ <b>*</b> 004
"EYANAINIED.	laitial if safaranea agretidated its	alban on and altalian in its account.	THE NAMED GOOD IN	

\*EXAMINER: Initial if reference considered, Whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
D. a. collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Compl te if Kn wn			
				Application Number	N/A		
INFO	DRMATION	DIS	CLOSURE	Filing Date	Herewith		
STA	TEMENT E	BY A	PPLICANT	First Named Inventor	David Muller, et al.		
	(Use as many she	ate se n	ocessand	Art Unit	N/A		
	(Ose as many sine			Examiner Name	N/A		
Sheet	2	of	2	Attorney Docket Number	MULLER 7-7		

<u> </u>		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
535		Kel-Ichl Yamaguchi, Shigeru Imai, Naoto Ishltobi, Masashi Takemoto, Hidejiro Miki, and Masakiyo Matsumura; "ATOMIC-LAYER CHEMICAL-VAPOR-DEPOSITION OF SILICON DIOXIDE FILMS WITH AN EXTREMELY LOW HYDROGEN CONTENT"; June 1998, Applied Surface Science, Vol. 130-132, Pgs. 202-207.	
STS		J.W. Klaus, O. Sneh, A.W. Ott and S.M. George; "ATOMIC LAYER DEPOSITION OF SIO2 USING CATALYZED AND UNCATALYZED SELF-LIMITING SURFACE REACTIONS"; June-Aug. 1999; World Scientific, Surface Review and Letters, Vol. 6, Nos. 3 & 4, Pgs. 435-448.	
<b>5</b> 25		D.A. Muller, T. Sorsch, S. Moccio, F.H. Baumann, K. Evans-Lutterodt & G. Timp; "THE ELECTRONIC STRUCTURE AT THE ATOMIC SCALE OF ULTRATHIN GATE OXIDES"; 24 June 1999; Macmillan Magazines Ltd., Nature, Vol, 399; Pgs. 758-761.	
SU		Leonello Dori, Alexandre Acovic, Donelli J. DiMaria and Ching, Hsiang Hsu; "OPTIMIZED SILICON-RICH OXIDE (SRO) DEPOSITION PROCESS FOR 5-V-ONLY FLASH EEPROM APPLICATIONS"; June 1993, IEEE Electron Device Letters, Vol, 14, No. 6; Pgs. 283-285.	
272		J.B. Neaton, D.A. Muller and N.W. Ashcroft; "ELECTRONIC PROPERTIES OF THE Si/SiO2 INTERFACE FROM FIRST PRINCIPLES"; The American Physical Society, Volume 85, Number 6, 7 August 2002; Pgs. 1298-1301.	,
222		David A. Muller, et al.; Serial No. 09/773,443 filed on October 2, 2003; "SILICON OXIDE BASED GATE DIELECTRIC LAYER".	
		•	

	<del></del>					_
Examiner	V A A	0 1	Date	1 1	7	
	1_1/		Date	1 /	/	
Signatura	27T //	ح شتند ∕ ا	Considered	7/11	12-21	
Signature	- July -		Considered	1 2/7	12004	
						_

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: